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Quiz lecture 19

Question 1)

$\text{curl}(f) = \langle d/dx, d/dy, d/dz \rangle$

$xy^2z^3 + g(y, z)$

$xy^2z^3 + g(x, z)$

$xy^2z^3 + g(x, y)$

Question 2)

$\int (x^2y^2) dr = 0$

Because

$f(p) = f(\theta)$

And the integral is conservative